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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Takeshi KIJIMA et al.

Application No.: 10/690,021

Filed: July 28, 2004

Docket No.: 117581

For: FERROELECTRIC FILM, FERROELECTRIC CAPACITOR, FERROELECTRIC MEMORY, PIEZOELECTRIC ELEMENT, SEMICONDUCTOR ELEMENT, METHOD OF MANUFACTURING FERROELECTRIC FILM, AND METHOD OF MANUFACTURING FERROELECTRIC CAPACITOR

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of the references 10 and 13 is discussed in the present specification.
- ☒ 3. The references 2-8 and 10 were cited in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information.

- ☒ 4. English-language Abstracts of the non-English language references 5-10 are attached hereto.
- ☒ 5. A computer-generated English translation of the following Japanese references have been obtained from the website of the Japanese Patent Office (<http://www.jpo.go.jp>), and are attached, but have not been reviewed for accuracy. See References 5-10.

Respectfully submitted,



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<p>DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p>
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Sheet 1 of 1

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 117581		APPLICATION NO. 10/690,021	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANTS Takeshi KIJIMA et al.			
				FILING DATE October 22, 2003			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
	1	10/807,278	03/24/2004	Kijima et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
	2	JP A 62-241826	10/22/1987	Japan			
	3	JP A 1-148750	06/12/1989	Japan			
	4	JP A 1-225304	09/08/1989	Japan			
	5	JP A 11-209173 w/abstr. + trans.	08/03/1999	Japan			
	6	JP A 2000-114484 w/abstr. + trans.	04/21/2000	Japan			
	7	JP A 2003-204088 w/abstr. + trans.	07/18/2003	Japan			
	8	JP A 2000-319065 w/abstr. + trans.	11/21/2000	Japan			
	9	JP A 9-116107 w/abstr. + trans.	05/02/1997	Japan			
	10	JP A 2001-19432 w/abstr. + trans.	01/23/2001	Japan			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	11	Ryu et al., "Effect of Heating Rate on the Sintering Behavior and the Piezoelectric Properties of Lead Zirconate Titanate Ceramics," J. Am Ceram. Soc., 84, pp. 902-904, 2001					
	12	Bellaiche et al., "Intrinsic Piezoelectric Response in Perovskite Alloys: PMN-PT versus PZT," Physical Review Letters, Volume 83, Number 7, pp. 1347-1350, August 16, 1999					
	13	Miyazawa et al., "Electronic States of Perovskite-Type Oxides and Ferroelectricity," Jpn. J. Appl. Phys., Vol. 39, pp. 5679-5682, 2000					
EXAMINER					DATE CONSIDERED		
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: July 28, 2004